

Claims

1. A shaped resin article comprising:

a polyamide (A) comprising at least two different
5 polyamide components,

a polyphenylene ether (B), and

one or more partially hydrogenated block copoly-
mers (C), each independently obtained by partially hy-
drogenating an unhydrogenated block copolymer compris-
10 ing at least one aromatic vinyl polymer block comprised
mainly of aromatic vinyl monomer units, and at least
one conjugated diene polymer block comprised mainly of
conjugated diene monomer units, said partially hydro-
genated block copolymers (C) including at least one
15 partially hydrogenated block copolymer (C-1) having a
number average molecular weight of from 200,000 to
300,000,

wherein said polyamide (A) is present as a con-
tinuous phase in which said polyphenylene ether (B) is
20 dispersed to form a dispersed phase, and said partially
hydrogenated block copolymer (C) is present in at least
one phase selected from the group consisting of said
continuous phase of the polyamide (A) and said dis-
persed phase of the polyphenylene ether (B),

25 wherein said polyamide (A) is exposed on a surface

of said shaped resin article so that the surface area of the polyamide (A) exposed on the overall surface of said shaped resin article is at least 80 %, based on the surface area of the shaped resin article.

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2. The shaped resin article according to claim 1, wherein said polyamide (A) comprises at least two different polyamide components having their respective different viscosities.

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3. The shaped resin article according to claim 1, wherein said component (A) comprises polyamide 6,6 and a polyamide other than polyamide 6,6.

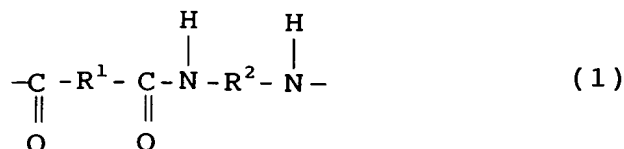
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4. The shaped resin article according to claim 3, wherein said polyamide other than polyamide 6,6 is polyamide 6.

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5. The shaped resin article according to claim 3, wherein said polyamide other than polyamide 6,6 is a polyamide comprising recurring units, each independently represented by the following formula (1):

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5 wherein each of R¹ and R² independently
 represents a C₃-C₁₄ alkylene group or a C₆-C₉
 arylene group, with the proviso that R¹ and
 R² are not simultaneously a C₆ alkylene group
 or a C₆ arylene group.

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6. The shaped resin article according to claim 1,
 wherein said polyamide (A) comprises at least one poly-
 amide component having a terminal amino group content
 of from 1 x 10⁵ mol/g to 4 x 10⁵ mol/g.

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7. The shaped resin article according to claim 1,
 wherein said polyphenylene ether (B) contains rela-
 tively high molecular weight polyphenylene ether mole-
 cules, each independently having a molecular weight of
 200,000 or more, and relatively low molecular weight
 polyphenylene ether molecules, each independently hav-
 ing a molecular weight of 5,000 or less, wherein the
 weight ratio of said relatively high molecular weight
 polyphenylene ether molecules to said relatively low
 molecular weight polyphenylene ether molecules is 0.35

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or less.

8. The shaped resin article according to claim 1,
wherein said polyphenylene ether (B) contains rela-
5 tively high molecular weight polyphenylene ether mole-
cules, each independently having a molecular weight of
200,000 or more, and relatively low molecular weight
polyphenylene ether molecules, each independently hav-
ing a molecular weight of 5,000 or less, wherein the
10 amount of said relatively low molecular weight poly-
phenylene ether molecules and the amount of said rela-
tively high polyphenylene ether molecules are, respec-
tively, 5 % by weight or less and 2 % by weight or less,
based on the weight of said polyphenylene ether resin
15 (B).

9. The shaped resin article according to claim 1,
wherein said one or more partially hydrogenated block
copolymers (C) further include at least one partially
20 hydrogenated block copolymer (C-2) having a number av-
erage molecular weight of from 50,000 to 150,000.

10. The shaped resin article according to claim 9,
wherein said at least one partially hydrogenated block
25 copolymer (C-1) and said at least one partially hydro-

generated block copolymer (C-2) collectively include:

at least one partially hydrogenated block copolymer having a high aromatic vinyl monomer unit content, which is obtained by partially hydrogenating an unhydrogenated block copolymer in which said at least one aromatic vinyl polymer block is present in an amount of from 60 to 90 % by weight, based on the weight of said unhydrogenated block copolymer, and

at least one partially hydrogenated block copolymer having a low aromatic vinyl monomer unit content, which is obtained by partially hydrogenating an unhydrogenated block copolymer in which said at least one aromatic vinyl polymer block is present in an amount of from 20 to less than 60 % by weight, based on the weight of said unhydrogenated block copolymer, and

wherein the total amount of the aromatic vinyl polymer blocks present in said hydrogenated block copolymers (C-1) and (C-2) is 30 to 40 % by weight, based on the total weight of said hydrogenated block copolymers (C-1) and (C-2).

11. The shaped resin article according to claim 1, which further comprises at least one carbonaceous material (D) selected from the group consisting of a conductive carbon black, carbon fibers and carbon nano-

tubes, and which is produced by melt-kneading a master-batch comprising said polyamide (A) having dispersed therein said carbonaceous material (D) with said polyphenylene ether (B), said one or more partially hydrogenated block copolymers (C), and optionally at least one member selected from the group consisting of an additional amount of said polyamide (A) and an additional amount of said carbonaceous material (D).

10 12. The shaped resin article according to claim 1, which further comprises (E) wollastonite particles having an average particle diameter of from 2 to 9 μm .

15 13. The shaped resin article according to claim 12, wherein said wollastonite particles (E) have at least two different aspect ratios.

14. The shaped resin article according to claim 1, which is a pellet.

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15. The shaped resin article according to claim 1, which is an automobile exterior part.

25 16. A conductive resin composition comprising:
a polyamide (A),

a polyphenylene ether (B),

a block copolymer (C) comprising at least one aromatic vinyl polymer block comprised mainly of aromatic vinyl monomer units, and at least one conjugated diene polymer block comprised mainly of conjugated diene monomer units,

a conductive carbonaceous material (D), and wollastonite particles (E).

10 17. The conductive resin composition according to claim 16, which is produced by melt-kneading a master-batch comprising said polyamide (A) having dispersed therein said carbonaceous material (D) with said polyphenylene ether (B), said one or more partially hydrogenated block copolymers (C), said wollastonite particles (E), and optionally at least one member selected from the group consisting of an additional amount of said polyamide (A) and an additional amount of said carbonaceous material (D), and wherein said carbonaceous material (D) is at least one member selected from the group consisting of a conductive carbon black, carbon fibers and carbon nanotubes.

25 18. The conductive resin composition according to claim 16, wherein said wollastonite particles (E) have

an average diameter of from 2 to 9 μm .

19. The conductive resin composition according to
claim 16, wherein said wollastonite particles (E) in-
5 clude particles having an aspect ratio of 5 or more and
particles having an aspect ratio of less than 5,
wherein the amount of said wollastonite particles (E)
having an aspect ratio of 5 or more is 50 % by weight
or more, based on the total weight of the wollastonite
10 particles (E).